PE-04AFS95-P

EGFR (866-873) pY869 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on EGFR (ErbB1)

Address: 8755 Ash Street, Suite 1
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Target Protein

Name Long:	Epidermal growth factor receptor-tyrosine kinase
Name Alias:	EGFR; Epidermal growth factor receptor; ErbB-1; ErbB, mENA; HER1; Receptor tyrosine-protein kinase ErbB-1; V-erb-b oncogene homologue; PIG61; CCDS5514.1; ENSG00000146648
Species Origin:	Human
UniProt ID:	P00533

Peptide Structure

Peptide Name:	EGFR (866-873) pY869
Peptide Origin:	In the protein kinase catalytic domain.
Peptide Sequence Location:	E866-G873
Peptide Sequence:	EKE(pY)HAEG(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1216.14
Observed Peptide Mass:	1214.8
% Peptide Purity:	93.7
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAV-11, KLP04CAB-09
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the EGFR-pY869 rabbit polyclonal antibody (Cat. No.: PK602) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.